

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077821.D
 Acq On : 23 May 2023 17:07
 Operator : JC\MD
 Sample : PB152982ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 24 02:55:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.883	168	399293m	50.000	ug/l	-0.35
34) 1,4-Difluorobenzene	8.871	114	729380	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.818	117	583631	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.788	152	235662	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.271	65	265550	44.448	ug/l	-0.31
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.900%		
35) Dibromofluoromethane	7.794	113	229469	48.246	ug/l	-0.38
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.500%		
50) Toluene-d8	10.453	98	918225	50.157	ug/l	-0.12
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.265	50	113	Below Cal	#	42
13) Acrolein	4.095	56	58	Below Cal	#	16
25) 2-Butanone	7.083	43	66376	22.574	ug/l #	37
31) Cyclohexane	7.883	56	8963	1.104	ug/l #	29
43) Isopropyl Acetate	8.418	43	686694	67.802	ug/l #	66
45) 1,2-Dichloropropane	9.594	63	3289	0.628	ug/l #	45
48) Methyl methacrylate	9.500	41	7600	1.583	ug/l #	30
49) 1,4-Dioxane	9.506	88	56	0.617	ug/l #	1
51) 4-Methyl-2-Pentanone	10.335	43	11910	1.978	ug/l	93
53) t-1,3-Dichloropropene	10.647	75	2479	0.326	ug/l #	1
54) cis-1,3-Dichloropropene	10.253	75	121046	14.459	ug/l #	66
57) 1,3-Dichloropropane	11.141	76	12926	1.486	ug/l #	42
59) 2-Hexanone	10.918	43	611663	137.363	ug/l #	19
71) Bromoform	12.829	173	2279	0.783	ug/l #	1
74) N-amyl acetate	12.282	43	68216	9.085	ug/l #	46
76) 1,2,3-Trichloropropane	12.829	75	147305	24.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	147305	79.783	ug/l #	15

(#) = qualifier out of range (m) = manual integration (+) = signals summed

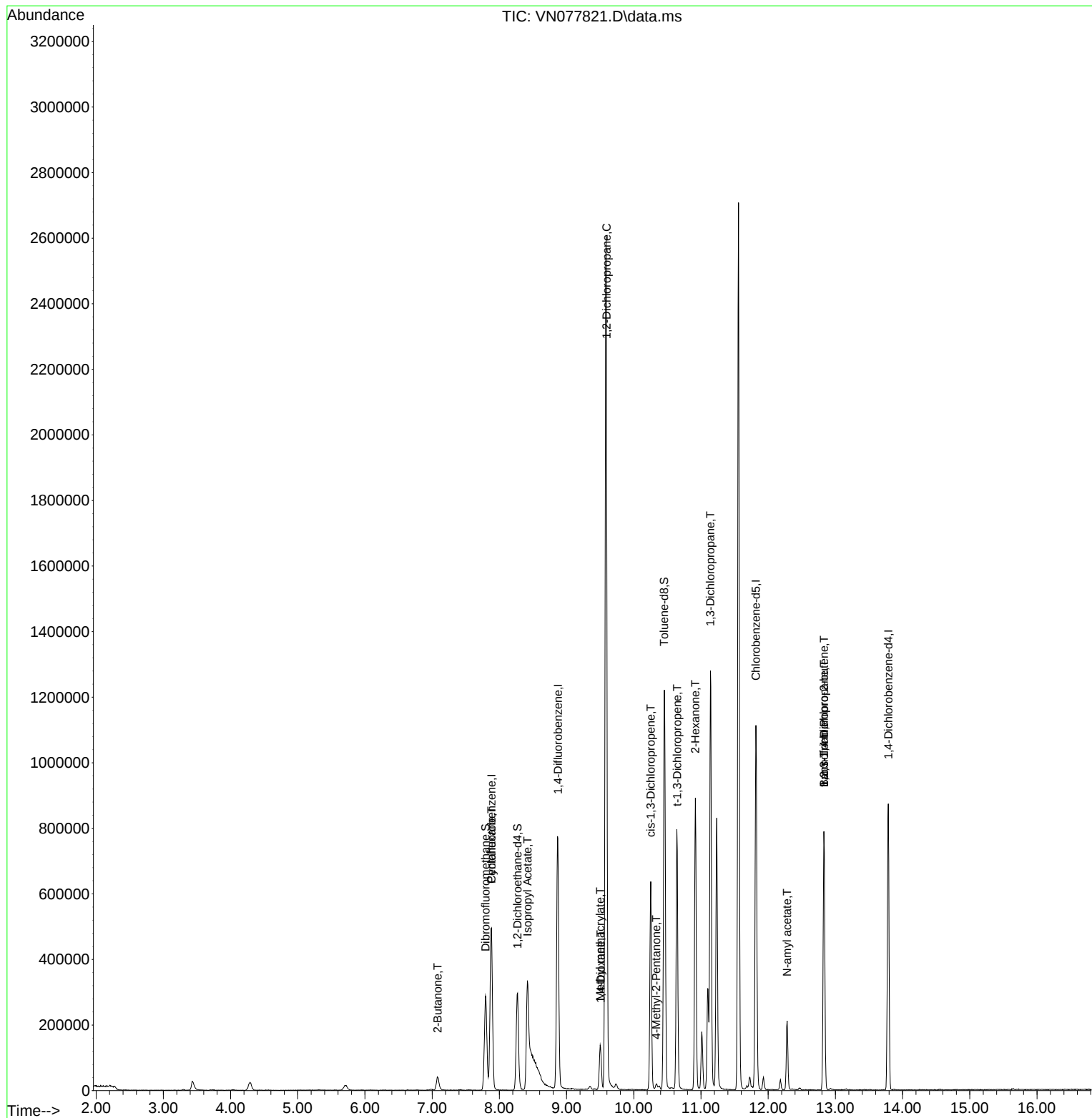
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
Data File : VN077821.D
Acq On : 23 May 2023 17:07
Operator : JC\MD
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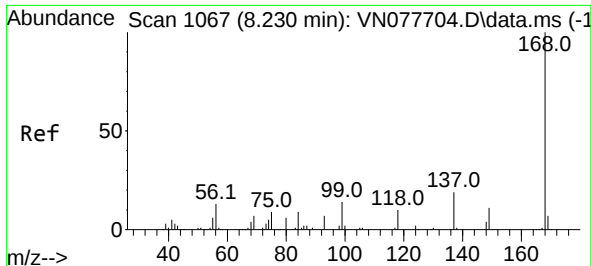
Instrument :
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ClientSampleId :
PB152982ZHE#03

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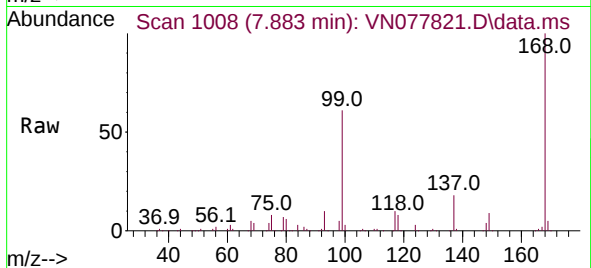
Quant Time: May 24 02:55:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.883 min Scan# 10
Delta R.T. -0.347 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

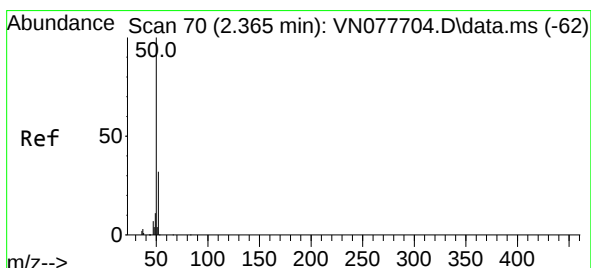
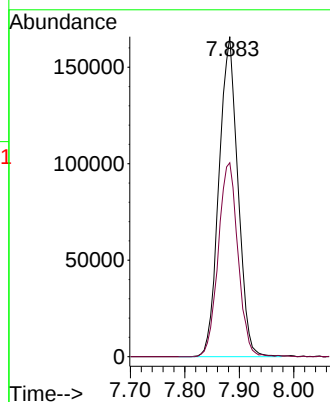
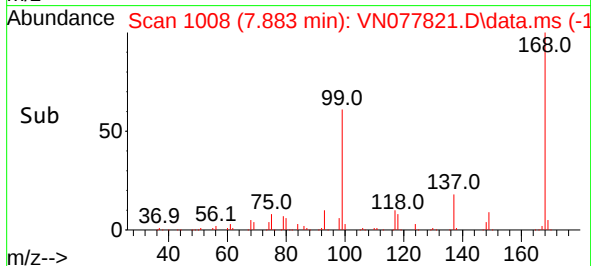
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



Tgt Ion:168 Resp: 39929
Ion Ratio Lower Upper
168 100
99 60.6 53.0 79.6

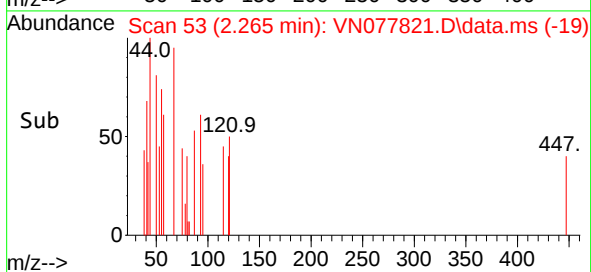
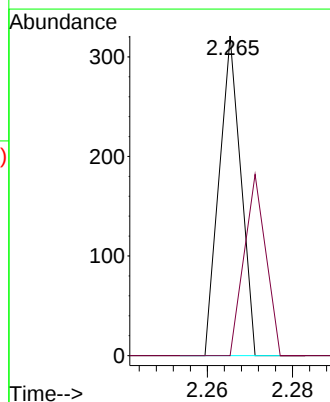
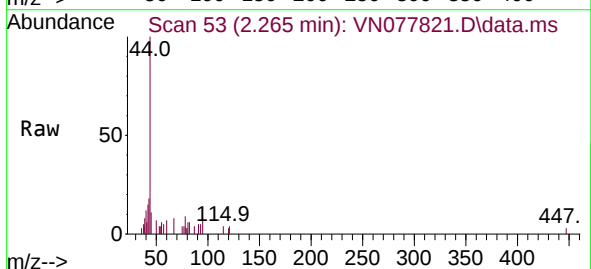
Manual Integrations
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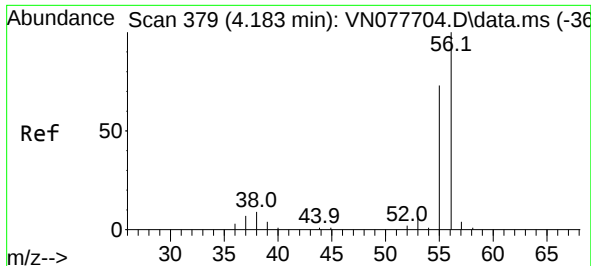
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#3
Chloromethane
Concen: Below Cal
RT: 2.265 min Scan# 53
Delta R.T. -0.100 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

Tgt Ion: 50 Resp: 113
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





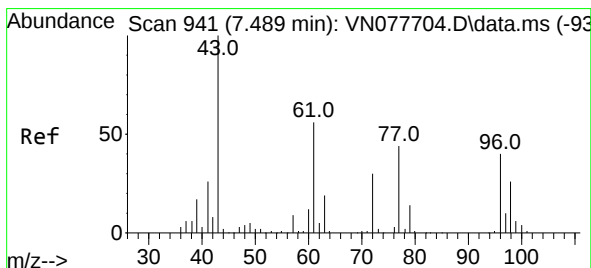
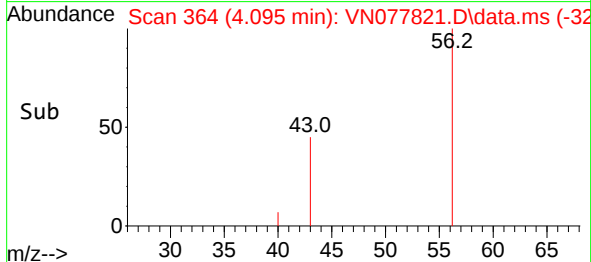
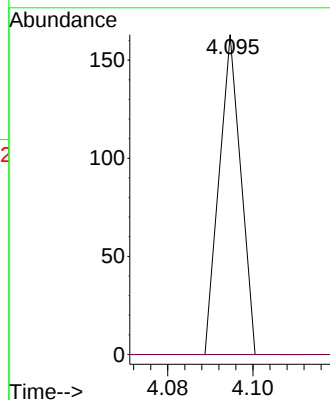
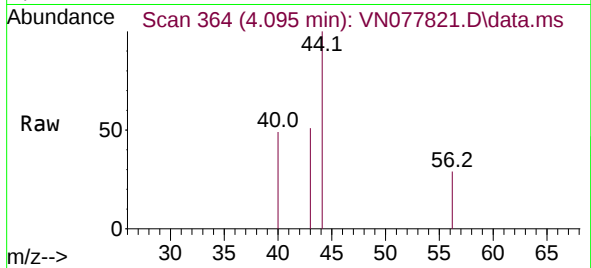
#13
Acrolein
Concen: Below Cal
RT: 4.095 min Scan# 30
Delta R.T. -0.094 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7

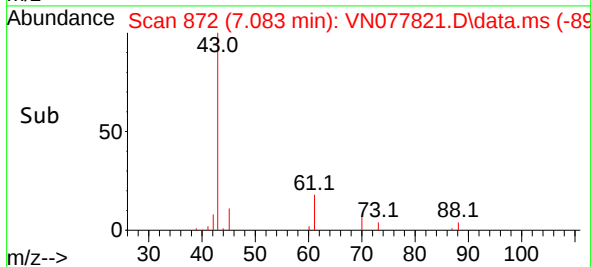
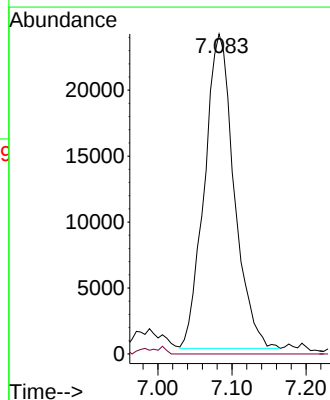
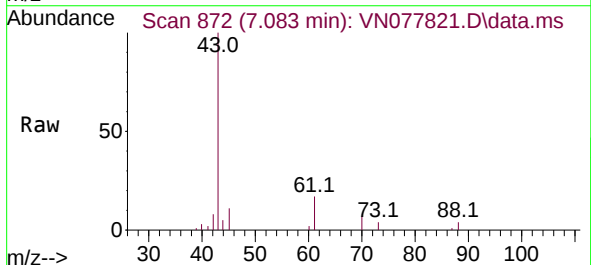
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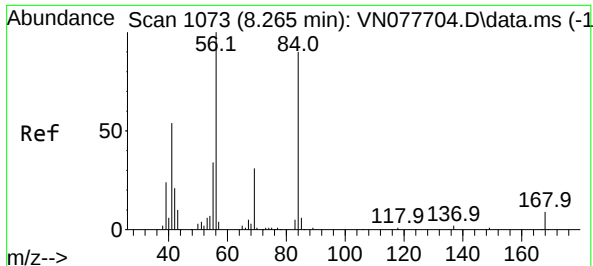
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#25
2-Butanone
Concen: 22.574 ug/l
RT: 7.083 min Scan# 872
Delta R.T. -0.405 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

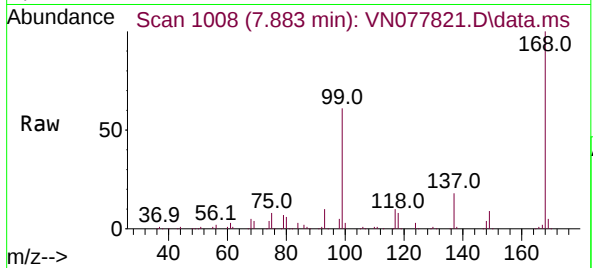
Tgt Ion: 43 Resp: 66376
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2





#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.883 min Scan# 1074
Delta R.T. -0.382 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

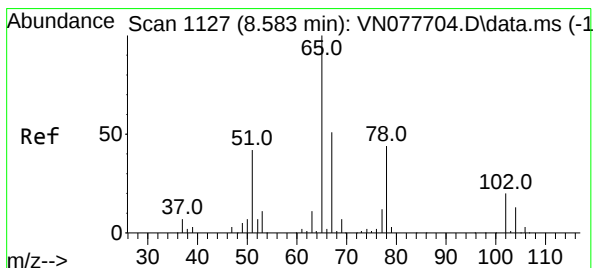
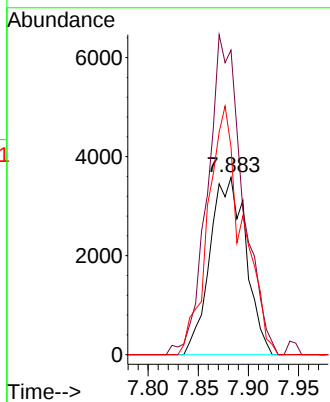
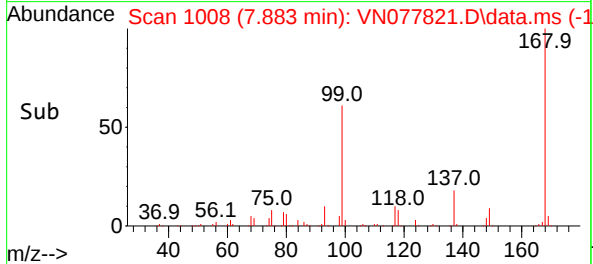
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



Tgt Ion: 56 Resp: 896
Ion Ratio Lower Upper
56 100
69 171.7 26.8 40.2
84 117.2 81.8 122.6

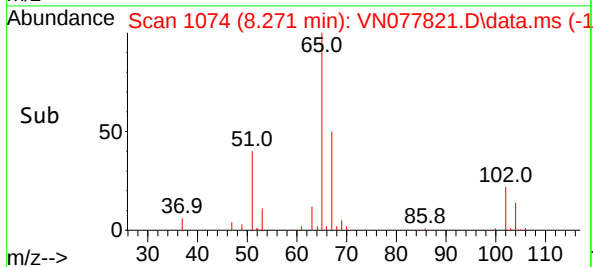
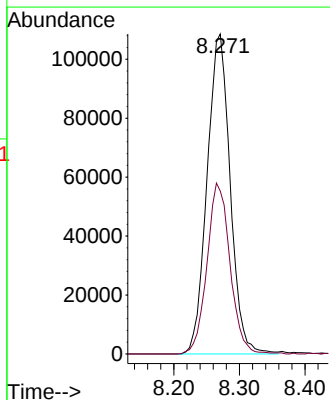
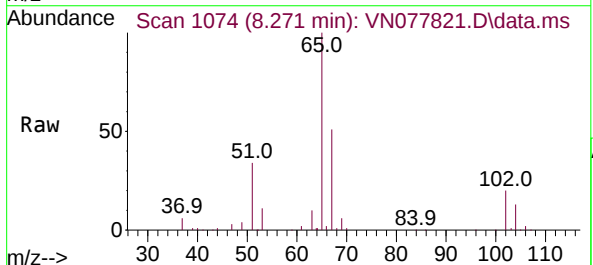
Manual Integrations
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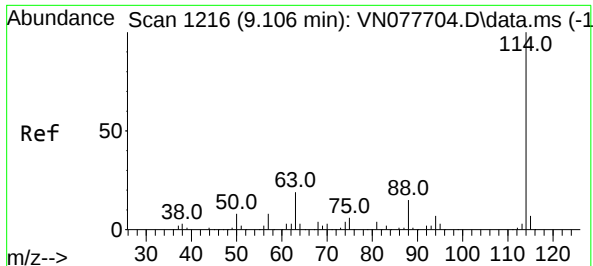
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#33
1,2-Dichloroethane-d4
Concen: 44.448 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. -0.311 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

Tgt Ion: 65 Resp: 265550
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.871 min Scan# 1176

Delta R.T. -0.235 min

Lab File: VN077821.D

Acq: 23 May 2023 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#03

Tgt Ion:114 Resp: 729380

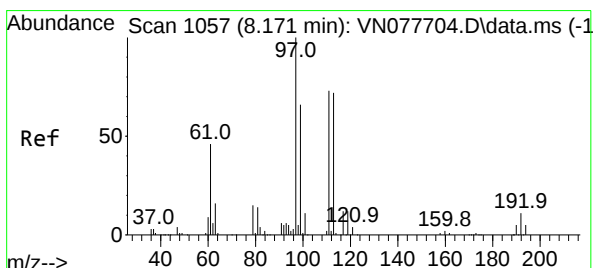
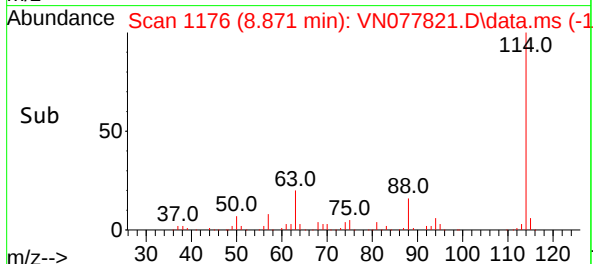
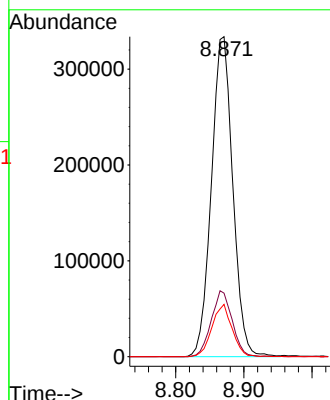
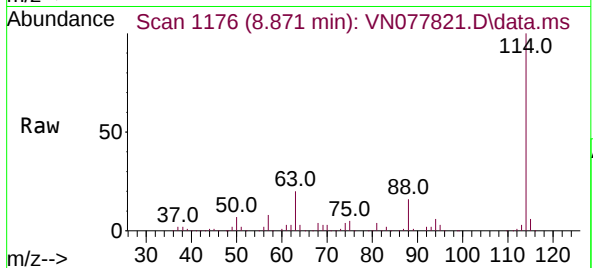
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	36.4
88	16.4	0.0	30.6

Manual Integrations

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Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#35

Dibromofluoromethane

Concen: 48.246 ug/l

RT: 7.794 min Scan# 993

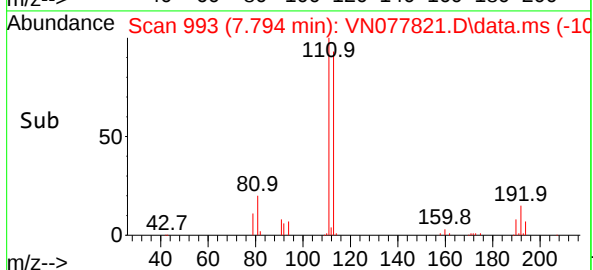
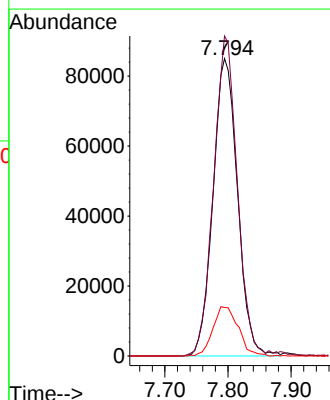
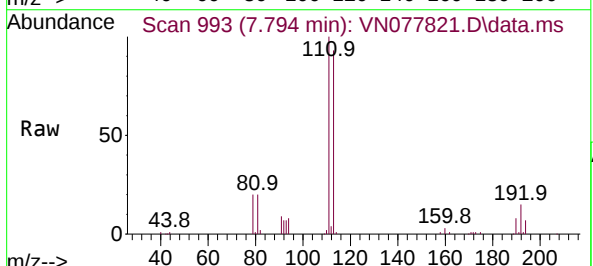
Delta R.T. -0.377 min

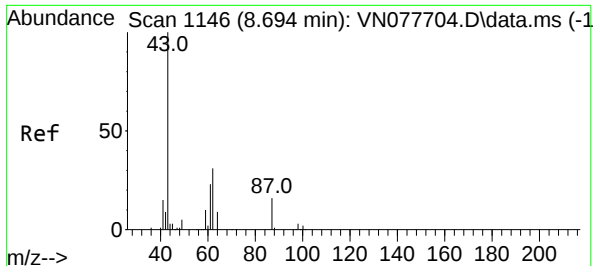
Lab File: VN077821.D

Acq: 23 May 2023 17:07

Tgt Ion:113 Resp: 229469

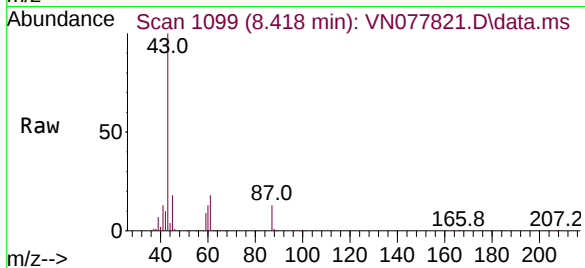
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	17.1	12.7	19.1





#43
Isopropyl Acetate
Concen: 67.802 ug/l
RT: 8.418 min Scan# 1099
Delta R.T. -0.276 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

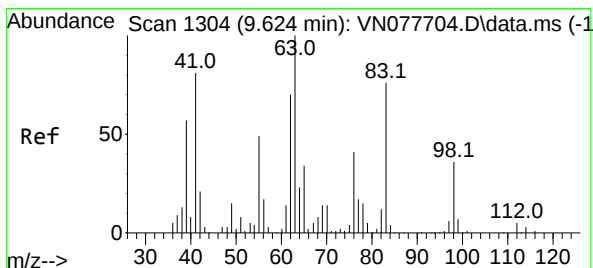
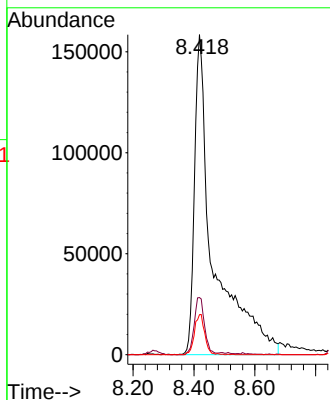
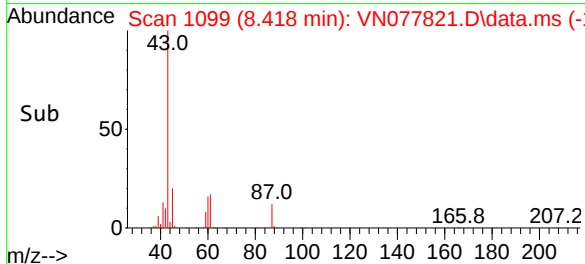
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



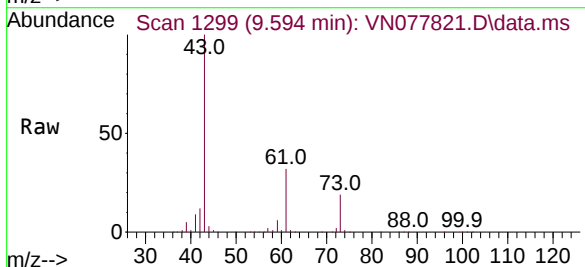
Tgt Ion: 43 Resp: 686694
Ion Ratio Lower Upper
43 100
61 9.7 24.7 37.1
87 6.8 14.6 21.8

Manual Integrations
APPROVED

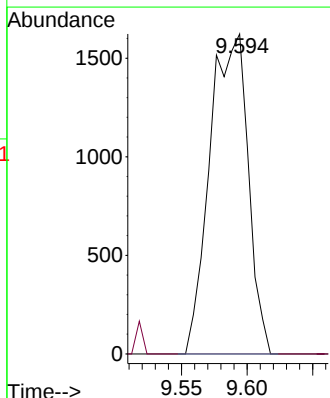
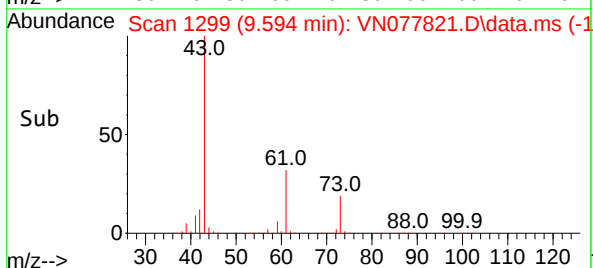
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

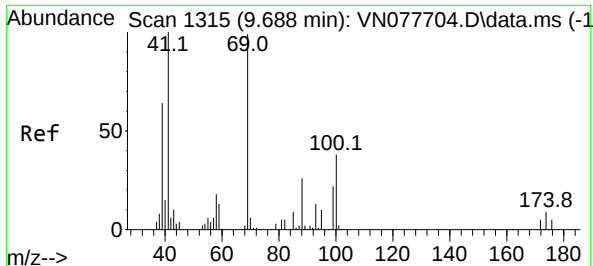


#45
1,2-Dichloropropane
Concen: 0.628 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.030 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07



Tgt Ion: 63 Resp: 3289
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9





#48

Methyl methacrylate

Concen: 1.583 ug/l

RT: 9.500 min Scan# 1283

Delta R.T. -0.188 min

Lab File: VN077821.D

Acq: 23 May 2023 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#03

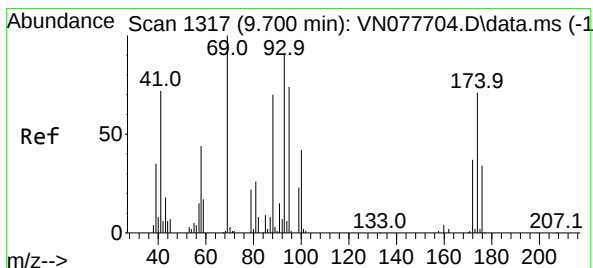
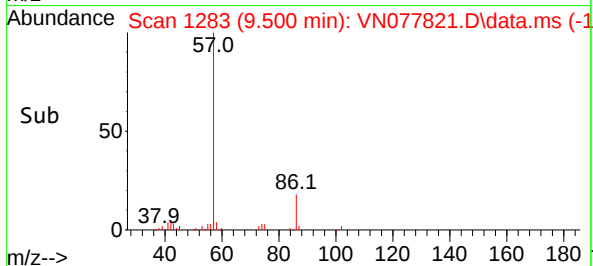
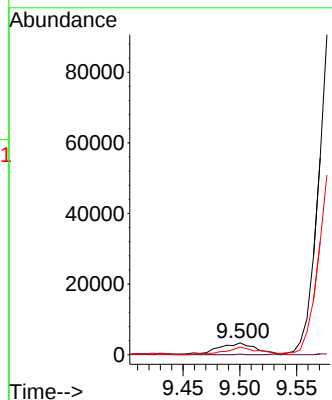
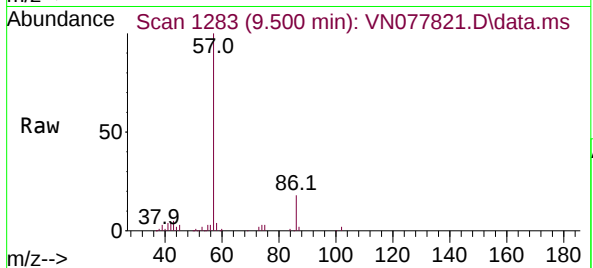
Tgt Ion: 41	Resp: 7600
Ion Ratio	Lower Upper
41	100
69	0.8 90.4 135.6
39	57.0 54.6 81.8

Manual Integrations

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Supervised By :Mahesh Dadoda 05/25/2023



#49

1,4-Dioxane

Concen: 0.617 ug/l

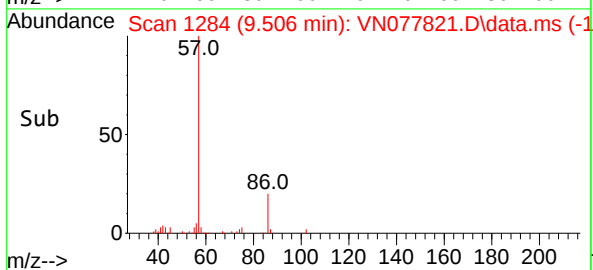
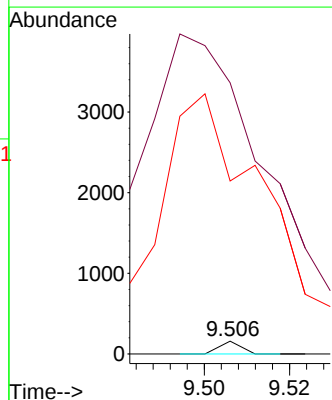
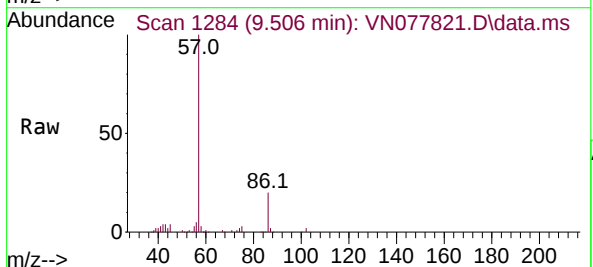
RT: 9.506 min Scan# 1284

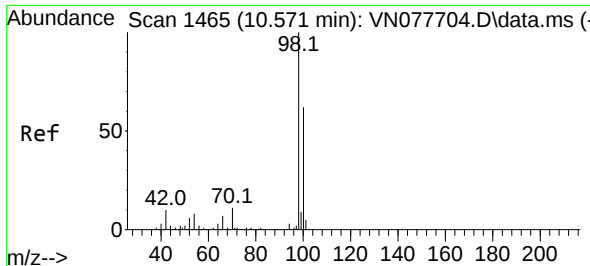
Delta R.T. -0.188 min

Lab File: VN077821.D

Acq: 23 May 2023 17:07

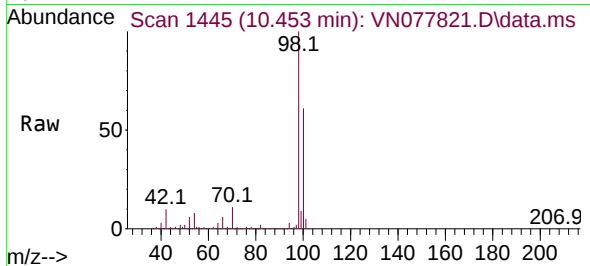
Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88	100
43	0.0 17.0 25.6#
58	10910.7 47.0 70.4#





#50
Toluene-d8
Concen: 50.157 ug/l
RT: 10.453 min Scan# 1465
Delta R.T. -0.118 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

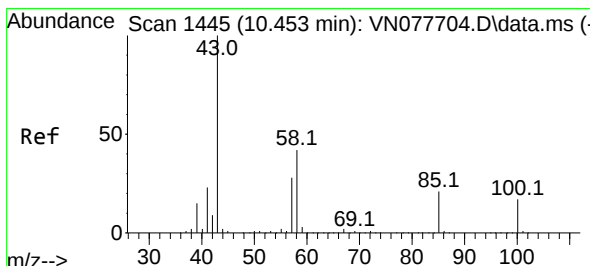
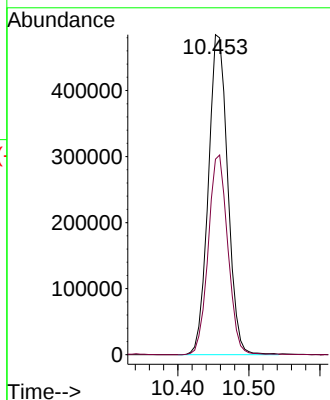
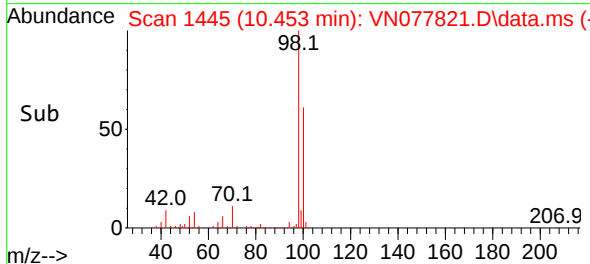
Instrument :
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PB152982ZHE#03



Tgt Ion: 98 Resp: 918225
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

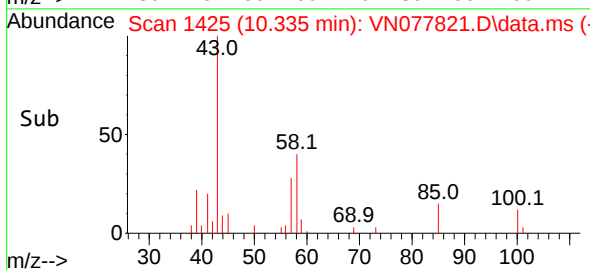
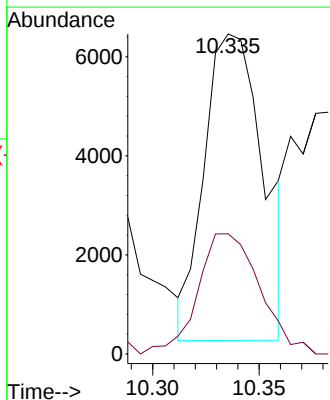
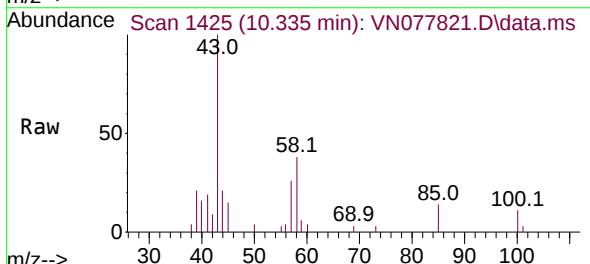
Manual Integrations
APPROVED

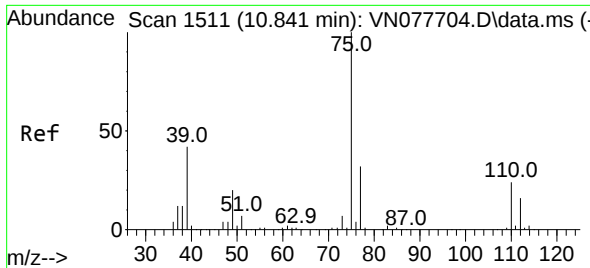
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#51
4-Methyl-2-Pentanone
Concen: 1.978 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. -0.112 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

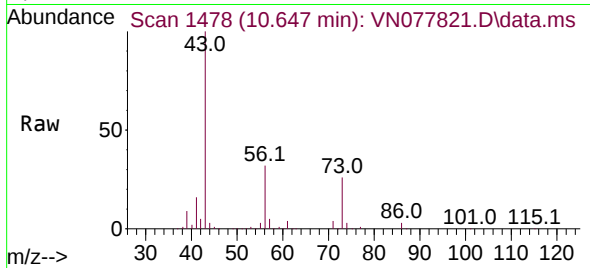
Tgt Ion: 43 Resp: 11910
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8





#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 10.647 min Scan# 1410
Delta R.T. -0.194 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

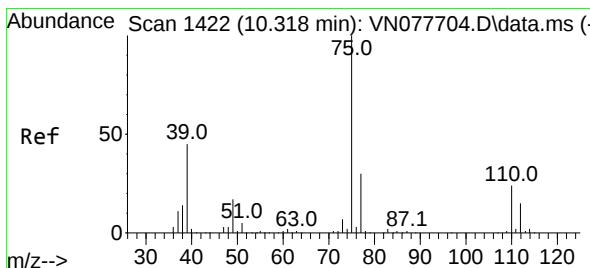
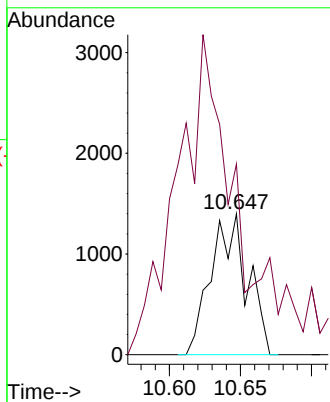
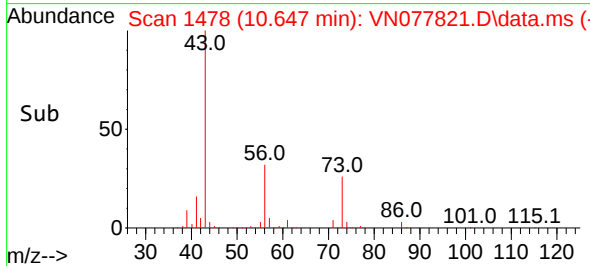
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



Tgt Ion: 75 Resp: 2479
Ion Ratio Lower Upper
75 100
77 106.8 25.4 38.0

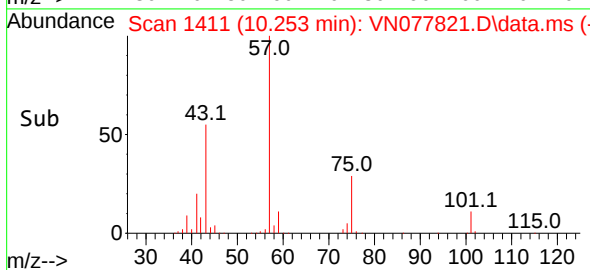
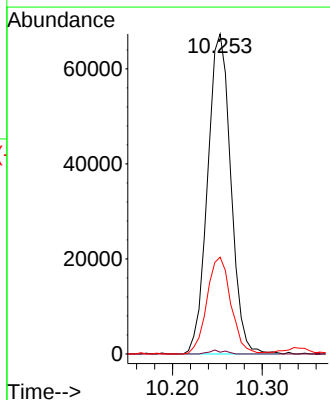
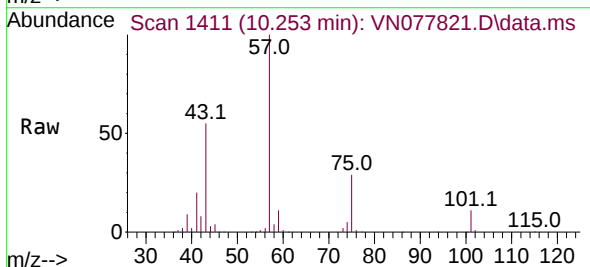
Manual Integrations
APPROVED

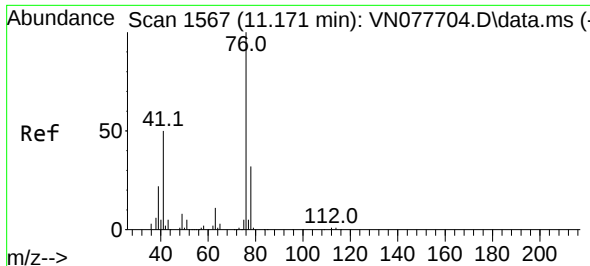
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#54
cis-1,3-Dichloropropene
Concen: 14.459 ug/l
RT: 10.253 min Scan# 1411
Delta R.T. -0.065 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

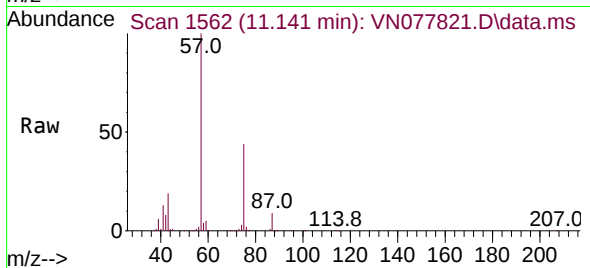
Tgt Ion: 75 Resp: 121046
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 30.3 31.6 47.4#





#57
1,3-Dichloropropane
Concen: 1.486 ug/l
RT: 11.141 min Scan# 111
Delta R.T. -0.030 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

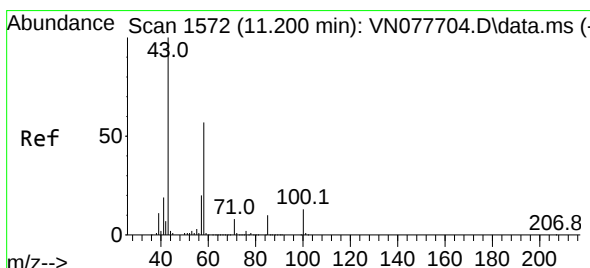
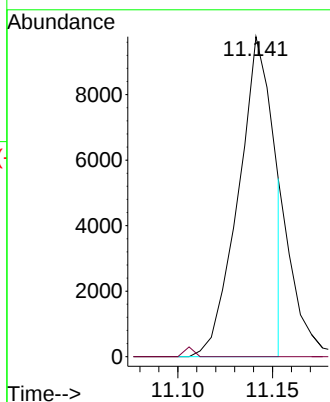
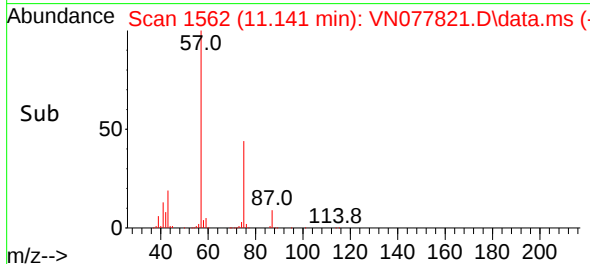
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



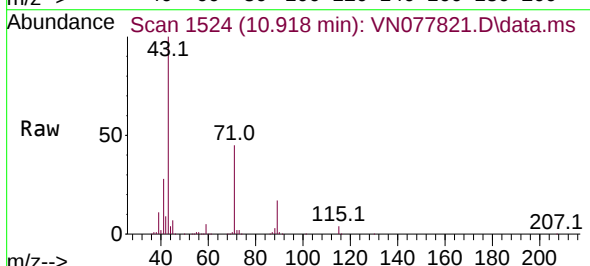
Tgt Ion: 76 Resp: 12920
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

Manual Integrations
APPROVED

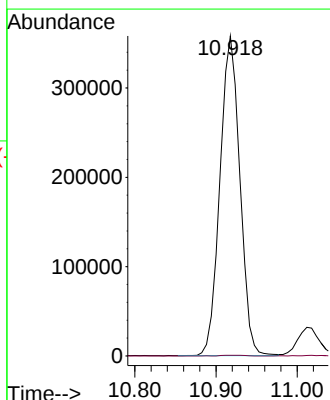
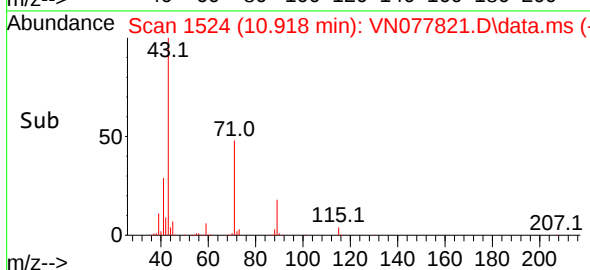
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

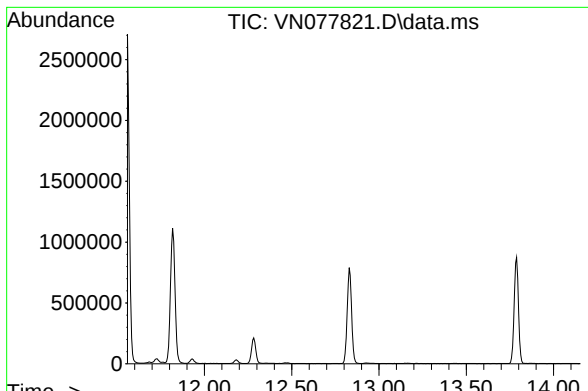


#59
2-Hexanone
Concen: 137.363 ug/l
RT: 10.918 min Scan# 1524
Delta R.T. -0.282 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07



Tgt Ion: 43 Resp: 611663
Ion Ratio Lower Upper
43 100
58 0.3 31.7 95.1#





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min

Lab File: VN077821.D
 Acq: 23 May 2023 17:07

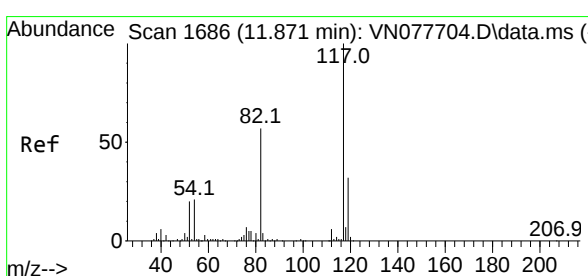
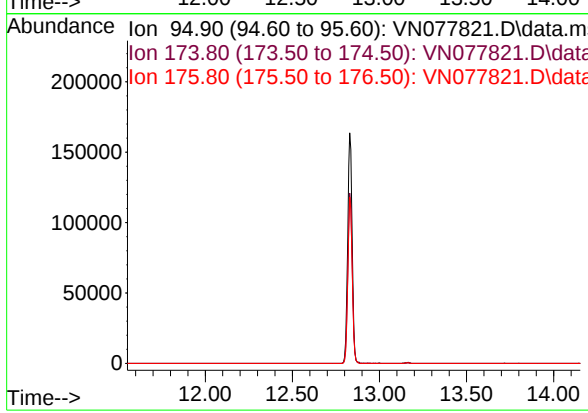
Sig	Exp	Ratio
95	100	
174	71.9	
176	67.9	

Instrument :
 MSVOA_N

ClientSampleId :
 PB152982ZHE#03

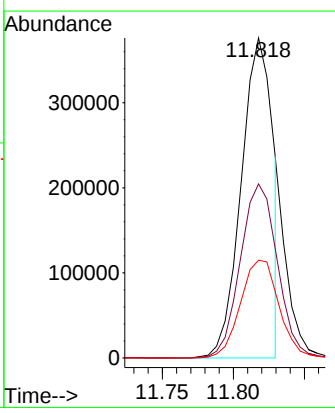
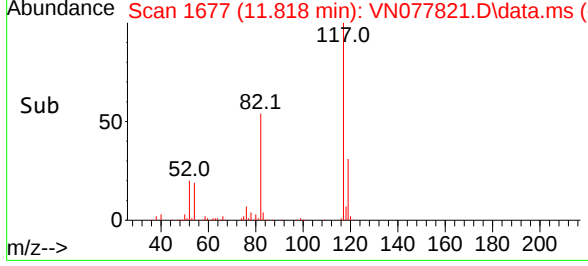
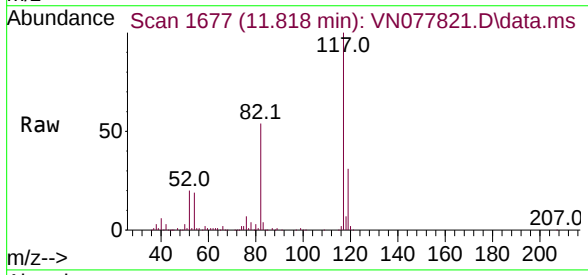
Manual Integrations
APPROVED

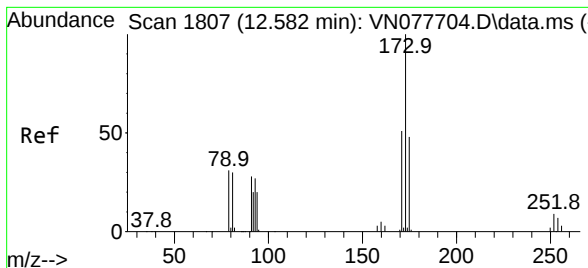
Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.818 min Scan# 1677
 Delta R.T. -0.052 min
 Lab File: VN077821.D
 Acq: 23 May 2023 17:07

Tgt Ion	Resp	Lower	Upper
117	583631		
82	54.4	44.0	66.0
119	30.5	25.6	38.4





#71

Bromoform

Concen: 0.783 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.247 min

Lab File: VN077821.D

Acq: 23 May 2023 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#03

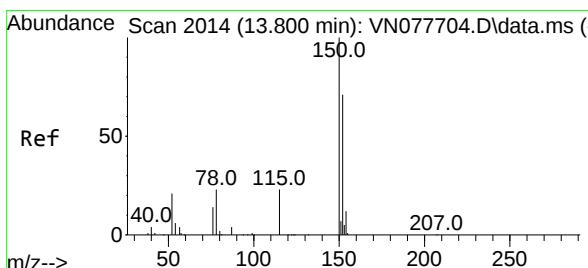
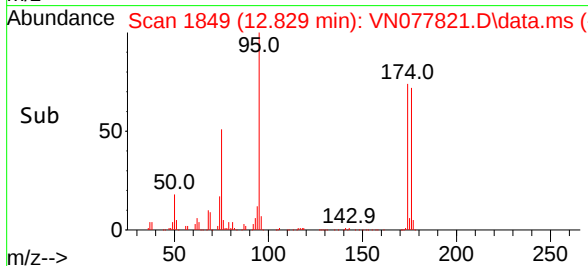
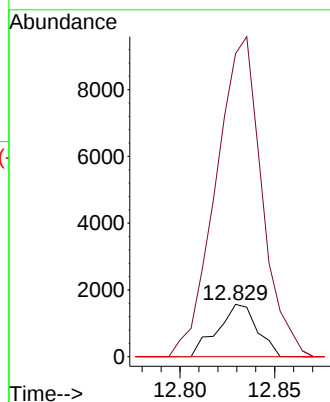
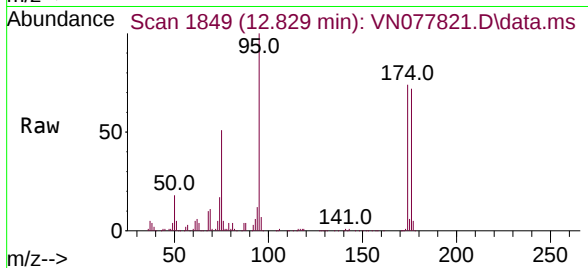
Tgt Ion:173	Resp:	2279
Ion Ratio	Lower	Upper
173	100	
175	707.3	24.3 73.0
254	0.0	0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

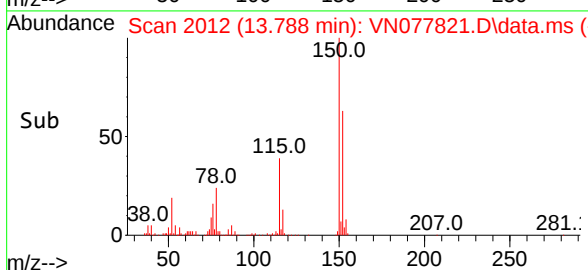
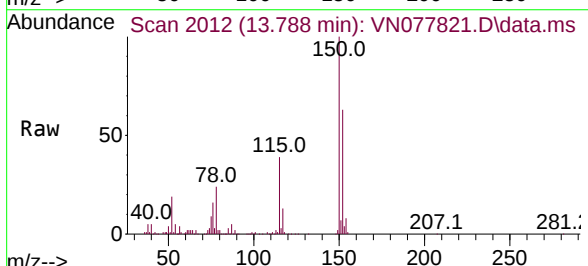
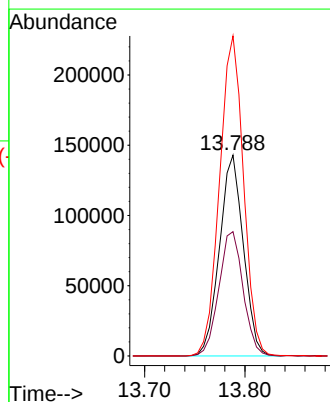
RT: 13.788 min Scan# 2012

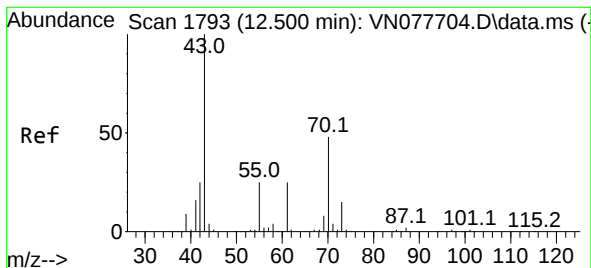
Delta R.T. -0.012 min

Lab File: VN077821.D

Acq: 23 May 2023 17:07

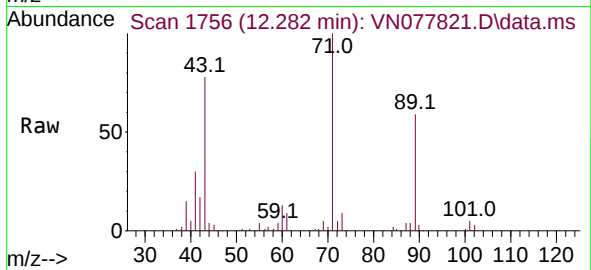
Tgt Ion:152	Resp:	235662
Ion Ratio	Lower	Upper
152	100	
115	62.9	32.3 96.8
150	160.2	0.0 355.8





#74
N-amy1 acetate
Concen: 9.085 ug/l
RT: 12.282 min Scan# 1849
Delta R.T. -0.218 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

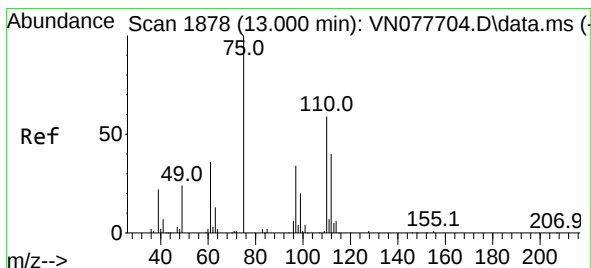
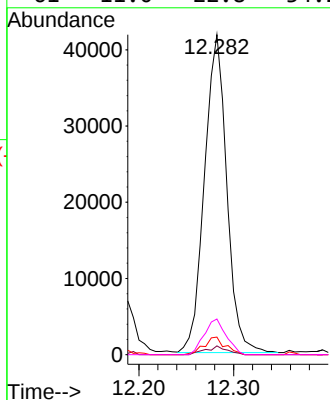
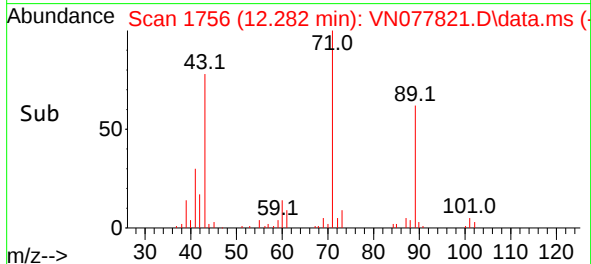
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#03



Tgt Ion: 43 Resp: 68210
Ion Ratio Lower Upper
43 100
70 2.6 43.4 65.2
55 5.3 21.4 32.0
61 11.0 22.8 34.2

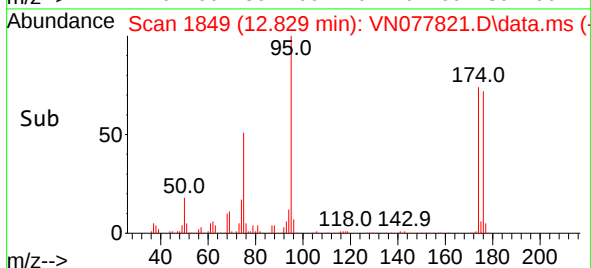
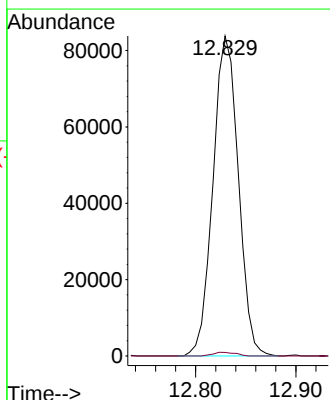
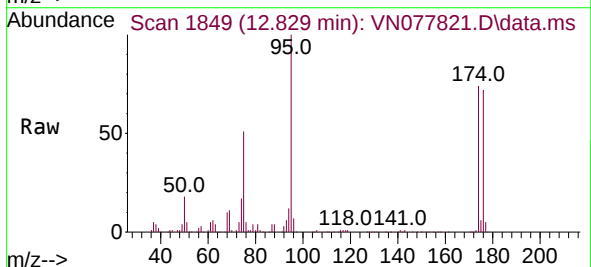
Manual Integrations
APPROVED

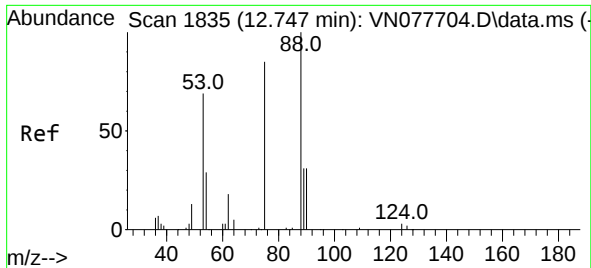
Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#76
1,2,3-Trichloropropane
Concen: 24.959 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.171 min
Lab File: VN077821.D
Acq: 23 May 2023 17:07

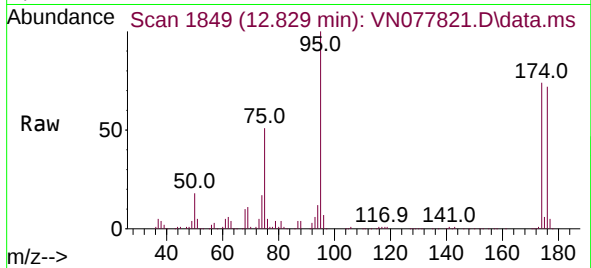
Tgt Ion: 75 Resp: 147305
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.783 ug/l
 RT: 12.829 min Scan# 1835
 Delta R.T. 0.088 min
 Lab File: VN077821.D
 Acq: 23 May 2023 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#03



Tgt Ion: 75 Resp: 147309
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2
 89 0.0 38.8 58.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

